

Replacement Sheet

WO 2004/113371

PCT/IB2004/002351

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FIGURE 1

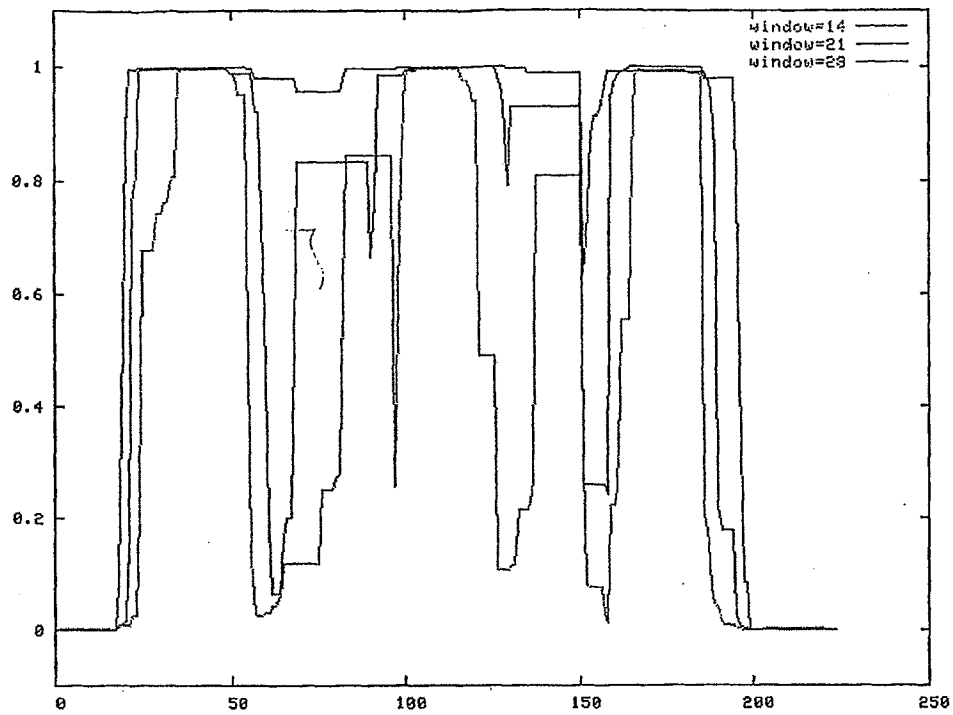
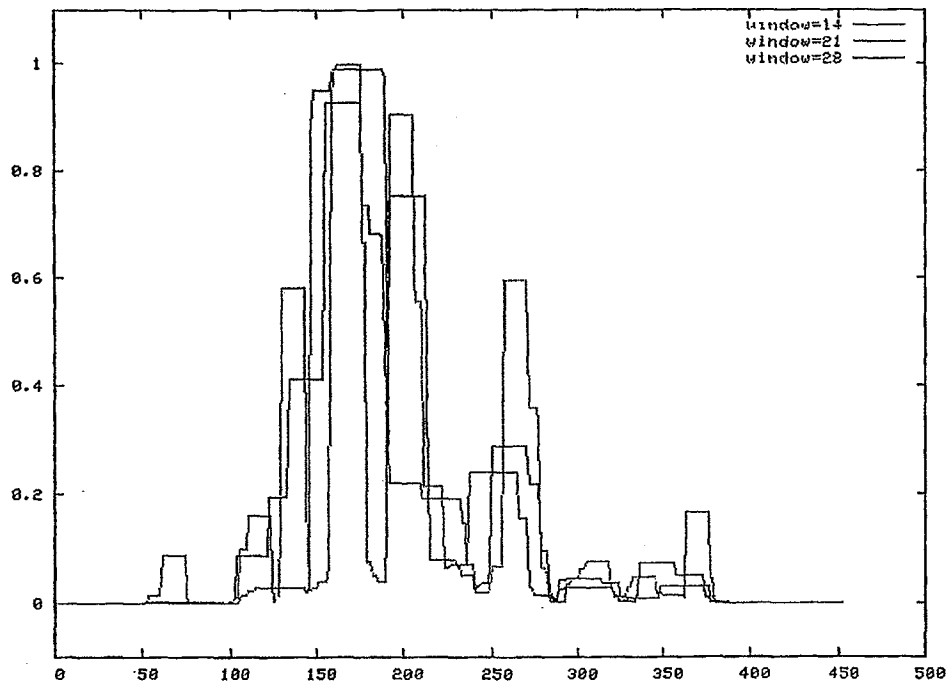


FIGURE 2



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FIGURE 3

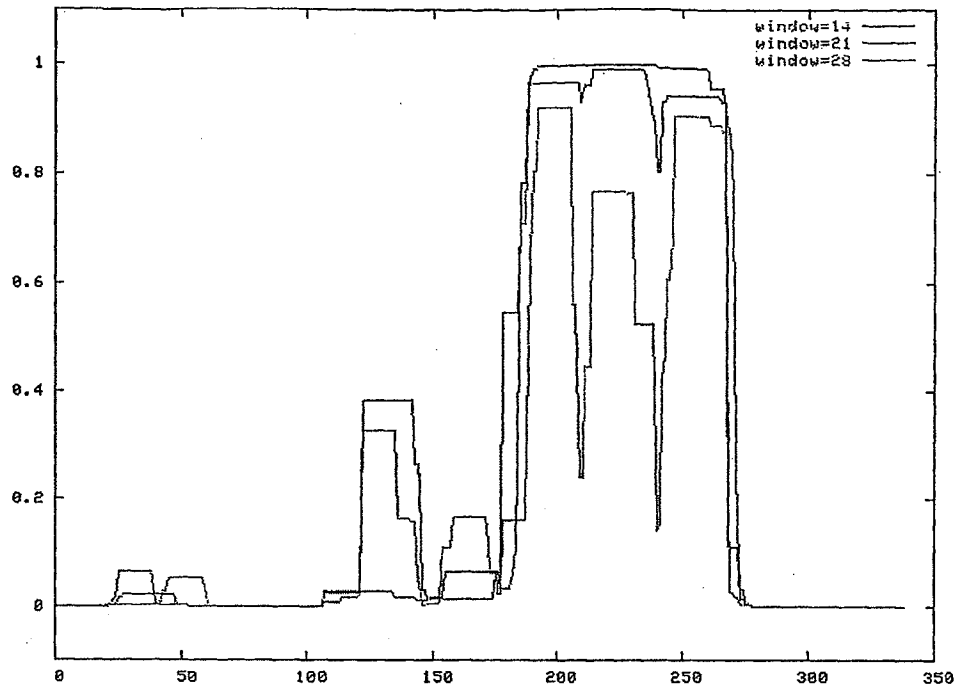
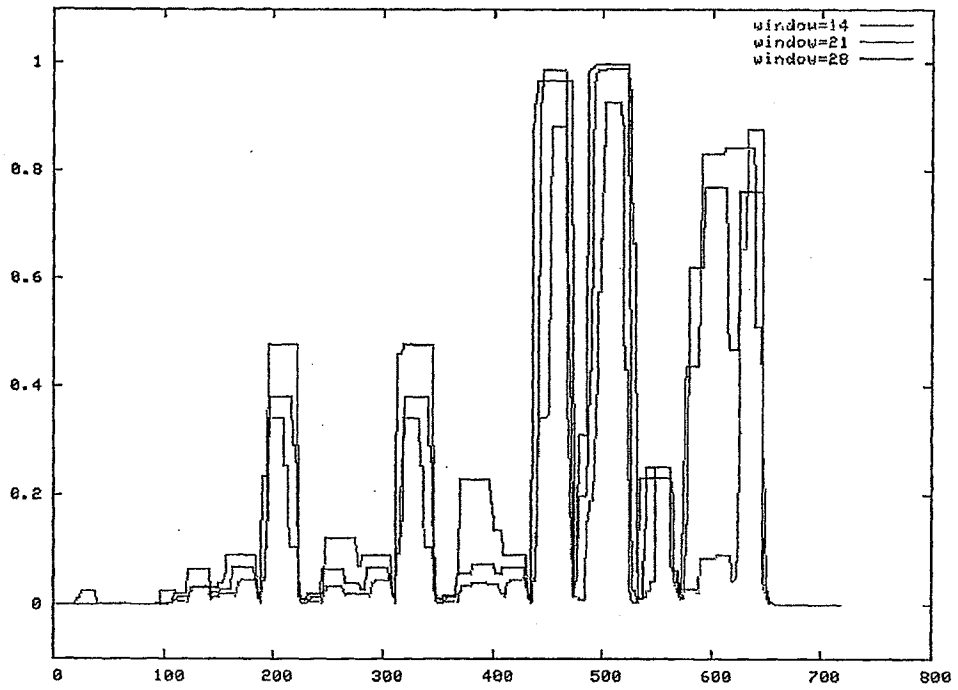


FIGURE 4



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FIGURE 5

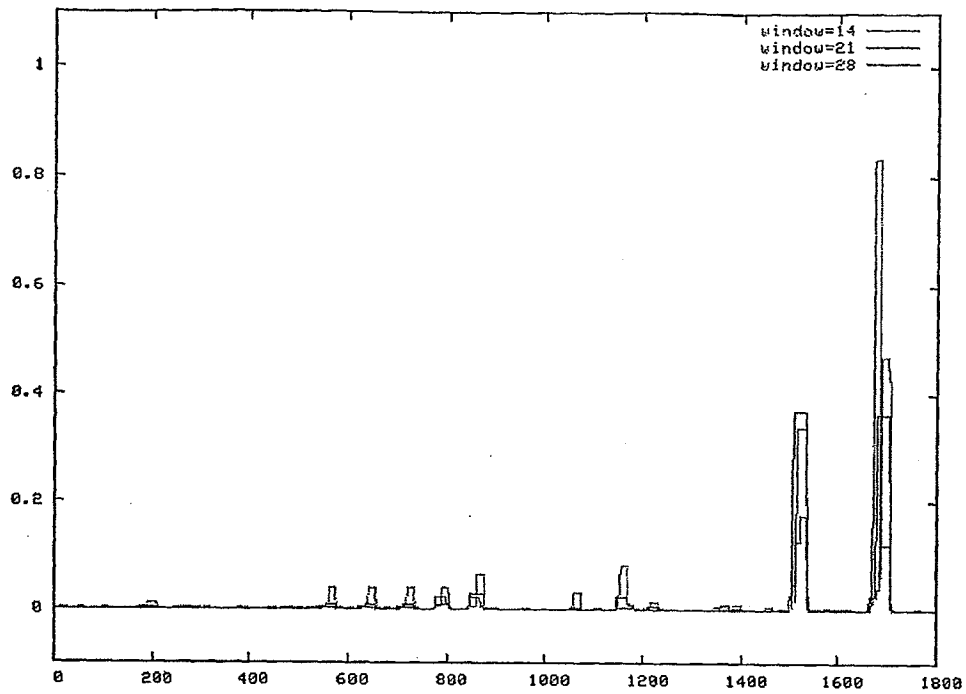
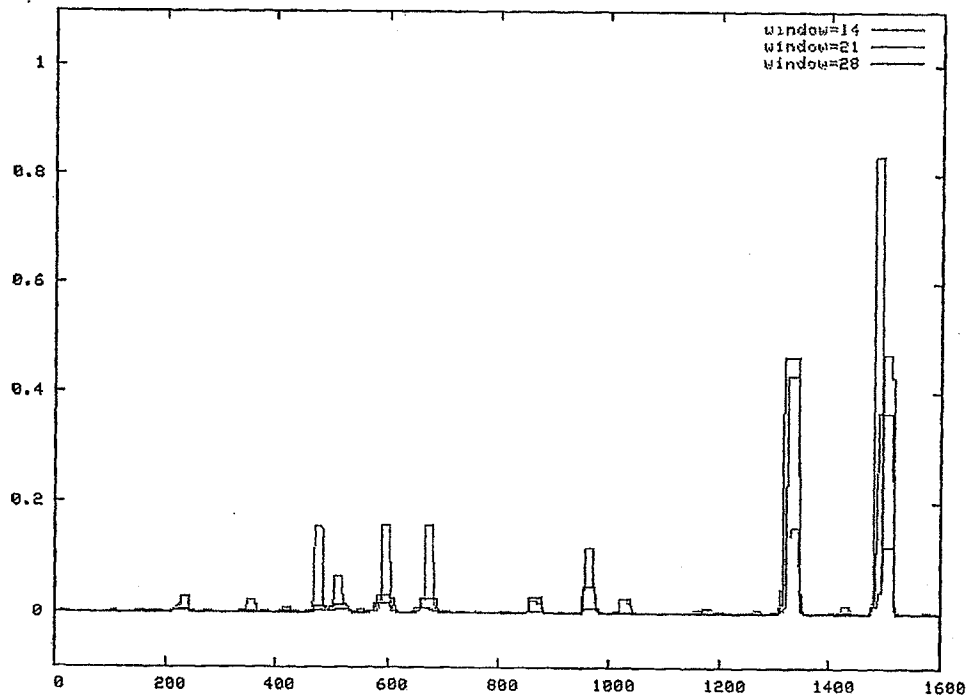
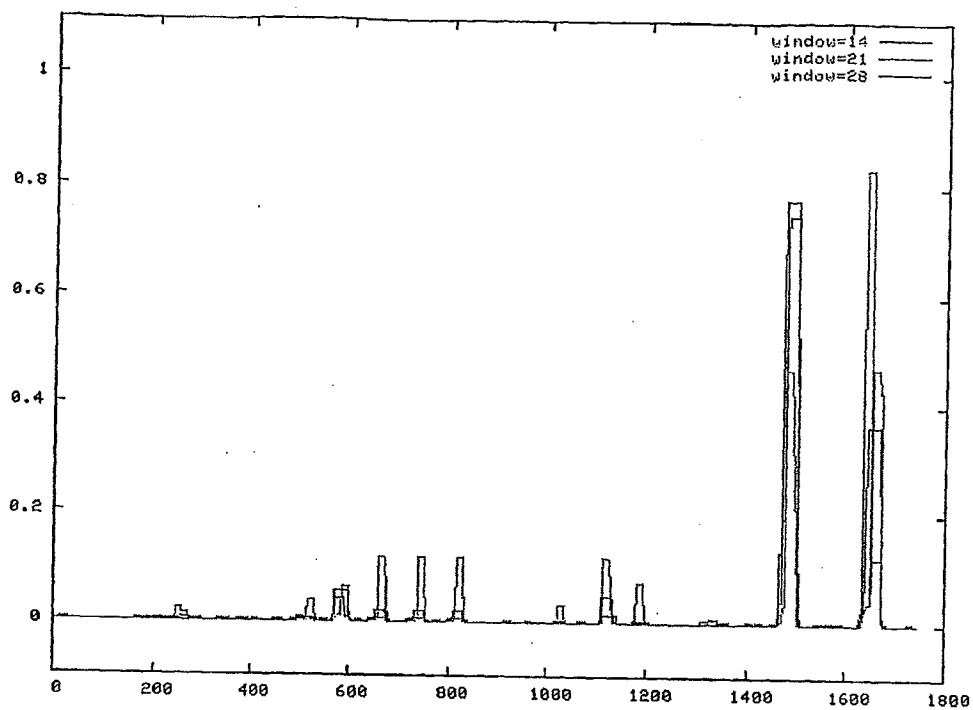
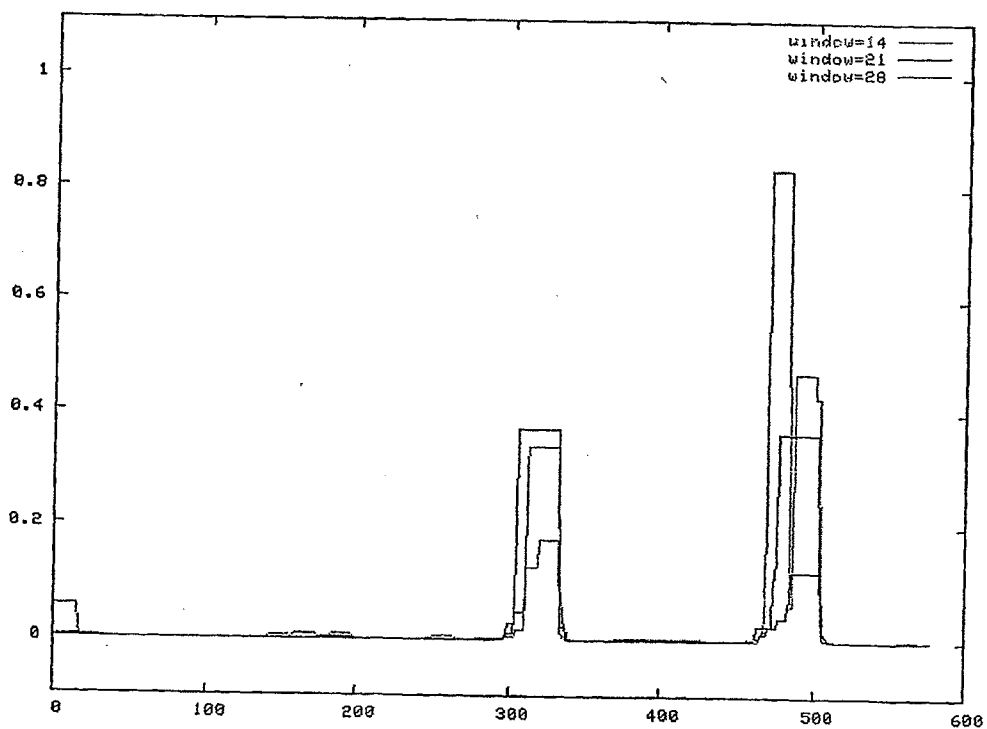


FIGURE 6



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FIGURE 7**FIGURE 8**

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FIGURE 9

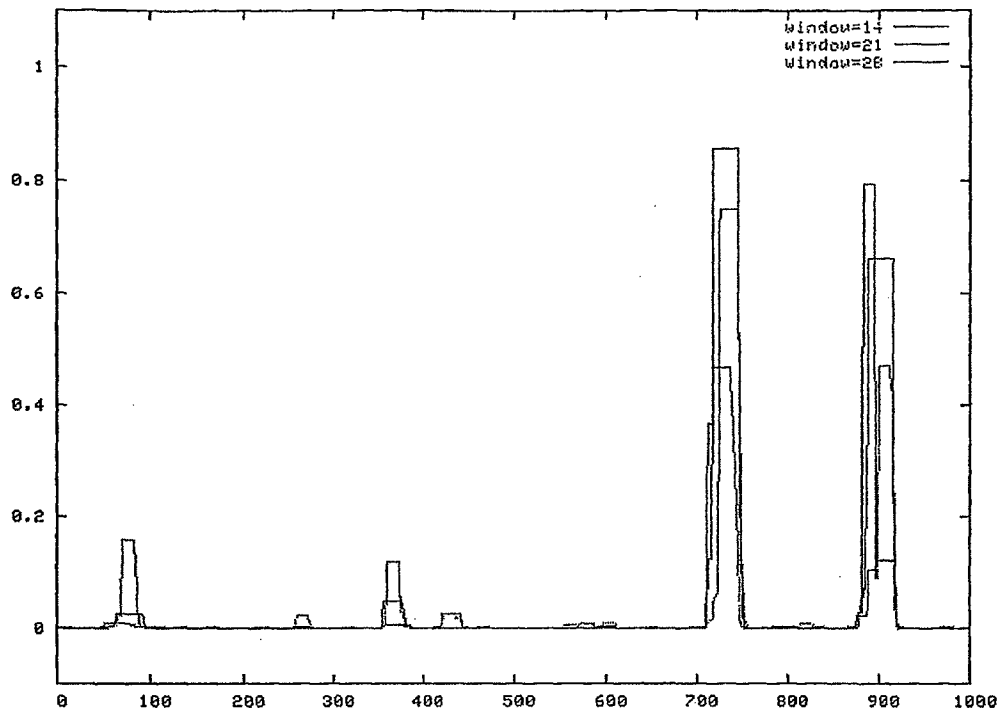
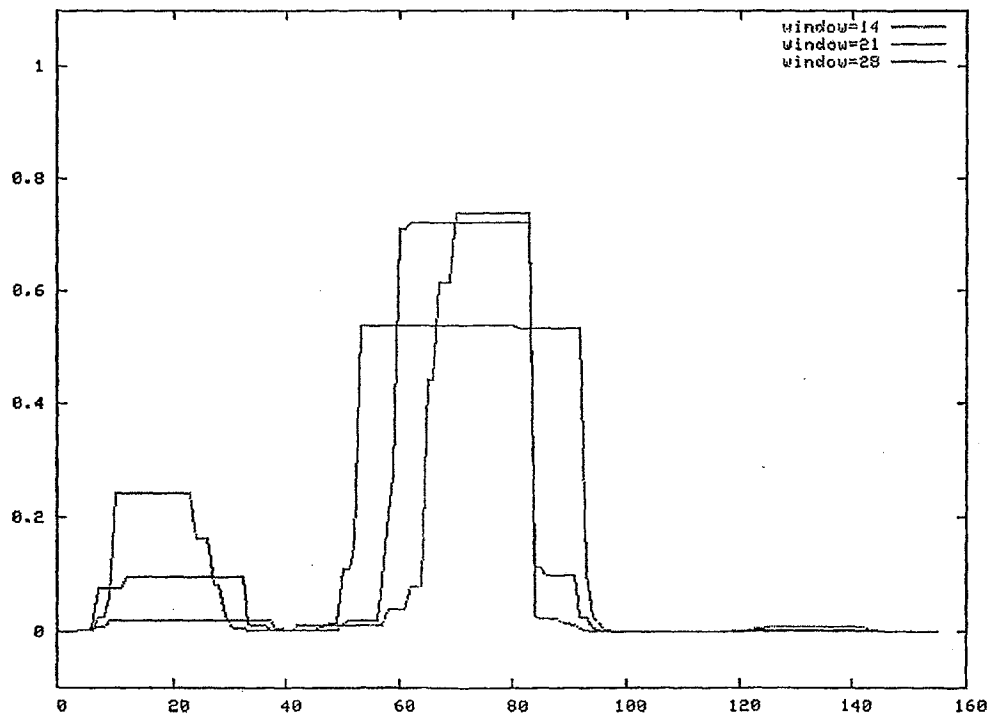


FIGURE 10



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FIGURE 11

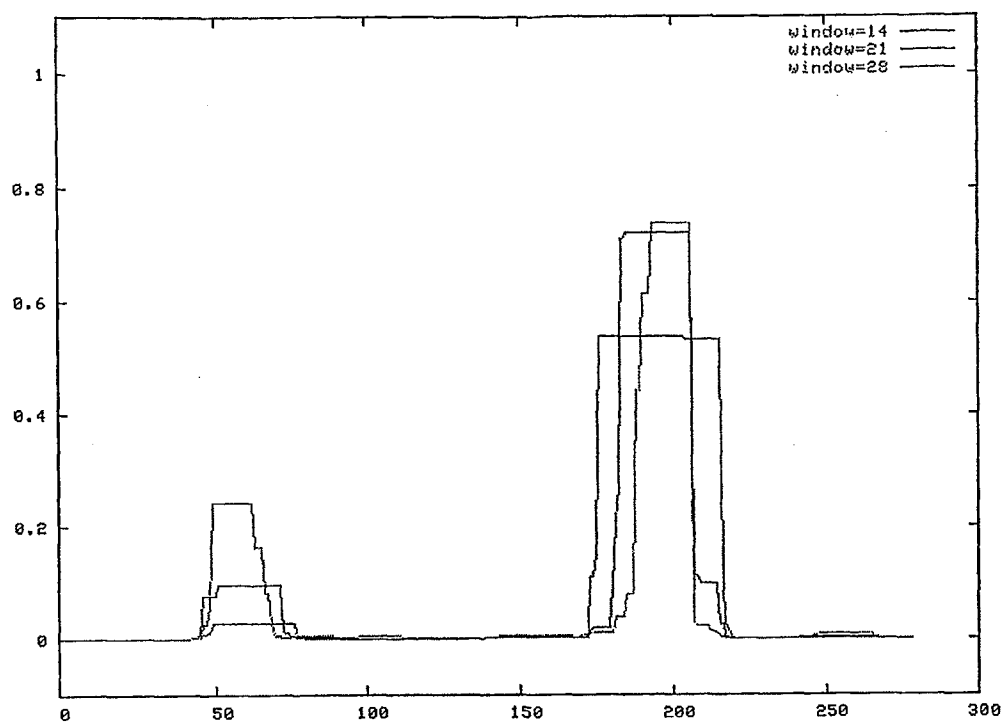
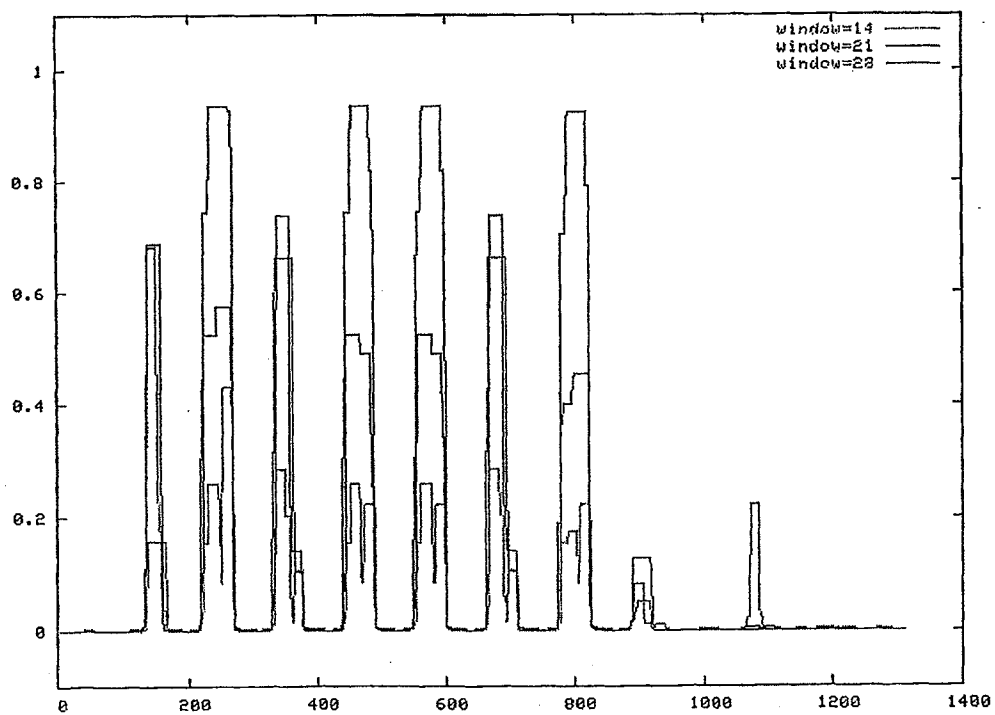


FIGURE 12



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FIGURE 13

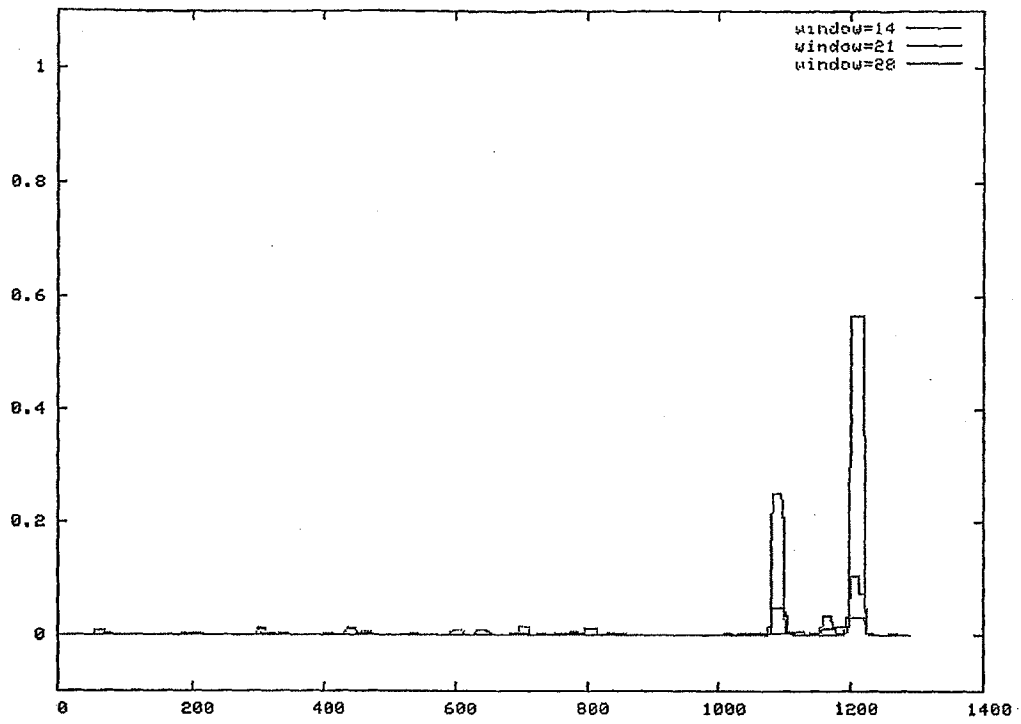
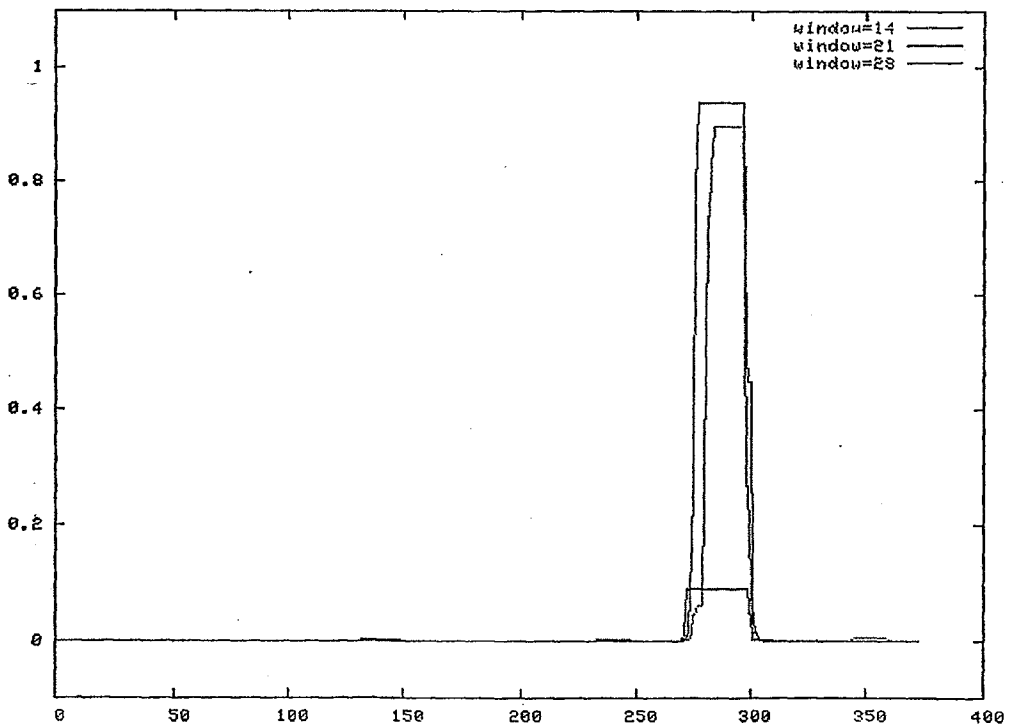


FIGURE 14



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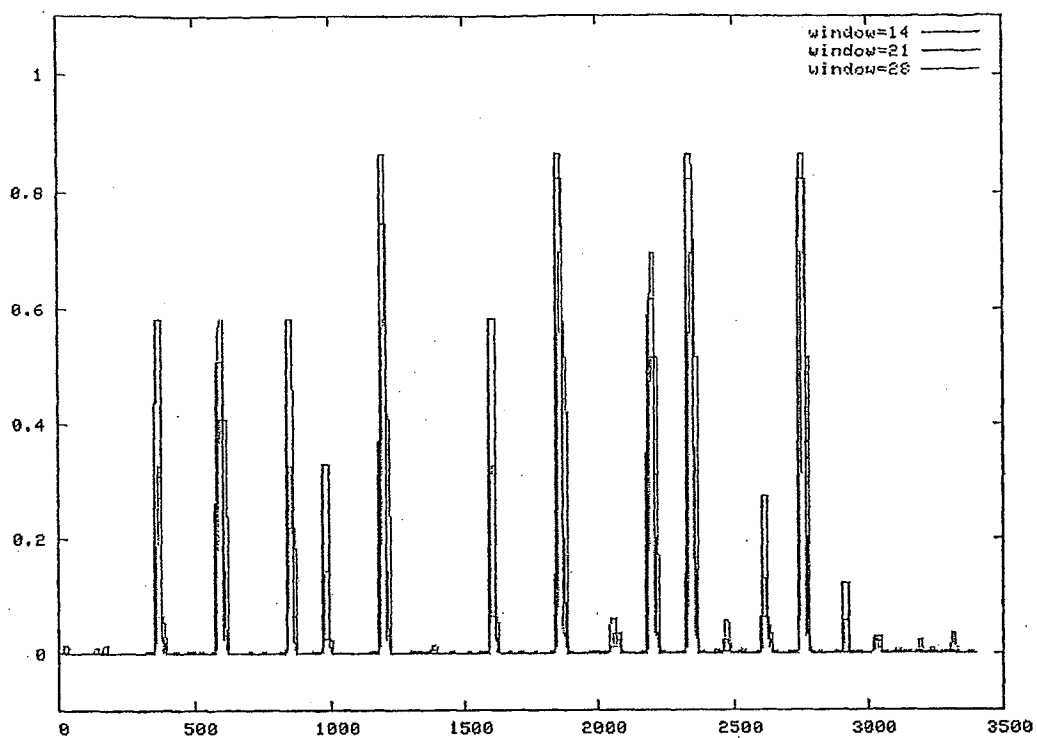
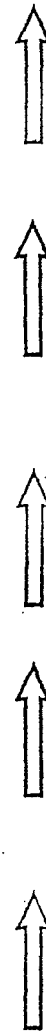
FIGURE 15

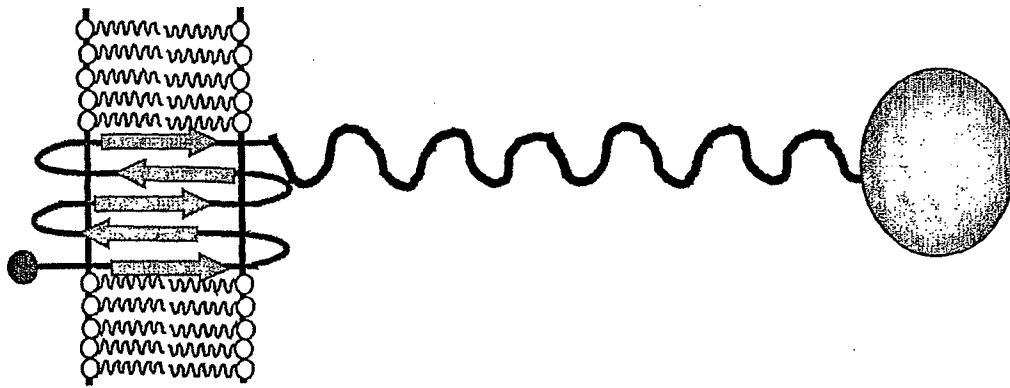
FIGURE 16

ECK1	AGTASATATASQPOVKTGDMVAVSACAGTENGESAVSVGTS--FNAGTHTVLKAGTISADTQSDFGAGVGVGVSE-	SEQ	ID	NO:66
EHEC	AGTASATATASQPOVKTGDMVAVSACAGTENGESAVSVGTS--FNAGTHTVLKAGTISADTQSDFGAGVGVGVSE-	SEQ	ID	NO:67
EPEC	AGTASATATASQPOVKTGDMVAVSACAGTENGESAVSVGTS--FNAGTHTVLKAGTISADTQSDFGAGVGVGVSE-	SEQ	ID	NO:68
EAEK	AGTASATATASQPOVKAGDEMMVSACAGTENGESAVSVGTS--FNAGTHTVLKAGTISADTQSDFGAGVGVGVSE-	SEQ	ID	NO:69
HAESO	AGTASAVATGTMPTWAPERSISLISVGHRRQSSQATGIVSS--MSNGKVVKGVMGYDYPORHATFEGGSGTFFEN	SEQ	ID	NO:70
RALSO	SGTASATATGTMPTDVGKSSATGIGSVATGKGYQAVALEASA-RISHN-LKATKAGVGYSSB-GTHVATGASVQW-	SEQ	ID	NO:71
BURFO	ASTATATATVTPDVGKTTAVGVGESSVKESQAVALELISA-RITQN-LKAKAGAGTSBQ-GTHVATGASVQW-	SEQ	ID	NO:72
SAA	ASTAGATATVTPMID-EKQYSFGMTASNRDEQATGATGIE--RUSEN-TTVKINTSWDTPHGTGVTATGVSIGM-	SEQ	ID	NO:73
UPEC	GETASAVATGTELPOATYPERSAVSLIGSTENGESAVALEVSM-VANGRWVYKIQESTNSQGEYSALGAGIQW-	SEQ	ID	NO:74
SHIFL	GETASAVATGTELPOATYPERSAVSLIGSTENGESAVALEVSM-VANGRWVYKIQESTNSQGEYSALGAGIQW-	SEQ	ID	NO:75
NADA	QSTASQALISGLFQPYNVGRKATNAVGVGKSSQAVALEGTEERTFENFAKAGAVAGTSSSSAAXHVGWVYEN-	SEQ	ID	NO:76
HADA	RELASQALNELFQPYNVGRKATNAVGVGKSSQAVALEGTEERTFENFAKAGAVAGTSSSSAAXHVGWVYEN-	SEQ	ID	NO:77
ACTAC	NELASQALISGLFQPYNVGRKATNAVGVGKSKULAVGSGYRFNOMVAAKAGAVAVSTNGES-ATVNVSLNFEW-	SEQ	ID	NO:78
EIBC	RPAASQALTELFPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:79
EIBD	RPAASQALTELFPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:80
EIBF	RPAASQALTELFPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:81
EIBA	RPAASQALTELFPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:82
EIBE	RPAASQALTELFPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:83
USPA2	NGMAQALISGLFQPYISVGRKNATNAVGVGSDQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:84
YADA	KELASALANSLFQPYGVGRVNFATAGVGVGRSSQALAVGVGYRFNEQTPAAKAGVAFSD-ED--ASVNVGVNFEF-	SEQ	ID	NO:85
DSRA	TELAQASLISMLVQNGVGRKTSVAVGSGAKDKTALAVGVGSRITDTRFTAKAGVATNTYNGG-MSYGASTGIEF-	SEQ	ID	NO:86
BRUME	AGAAVAHALSELRYDNRPKRVSTATGVGEEKSTALAGICV-TSKENARYNVIS-VAYNEAGTSMNAGASFTLN	SEQ	ID	NO:87
BRUSU	TEAANAALISELRYDNRPKRVSTATGVGEEKSTALAGICV-TSKENARYNVIS-VAYNEAGTSMNAGASFTLN	SEQ	ID	NO:88
BRUME2	QAAALGLAASLRYDDRPKRTSALIGSEFWKEGAVALELGH-TSEDDQMRSMULS-AATSGENWMSNGEFSYTFN	SEQ	ID	NO:89
BRUSU2	QAAALGLAASLRYDDRPKRTSALIGSEFWKEGAVALELGH-TSEDDQMRSMULS-AATSGENWMSNGEFSYTFN	SEQ	ID	NO:90
SINME	QAAALGLAASLRYDNEPRKLSVAILGSEFWKEGAVALELGH-TSEDDQMRSMULS-AATSGENWMSNGEFSYTFN	SEQ	ID	NO:91
BRAYA	GVVALALPSSLTQDPRPKRTSVSGEFGNGLQSGULAVALELGH-TSYSD-AMRFNAPATPAQXGALGVRAQASWTLN	SEQ	ID	NO:92



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FIGURE 17



ANCHOR

STALK

HEAD

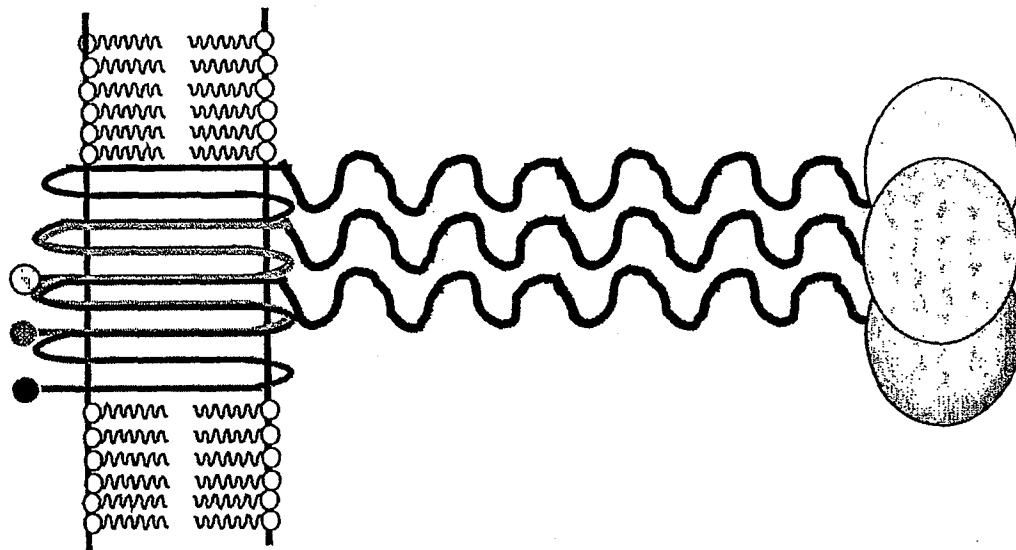
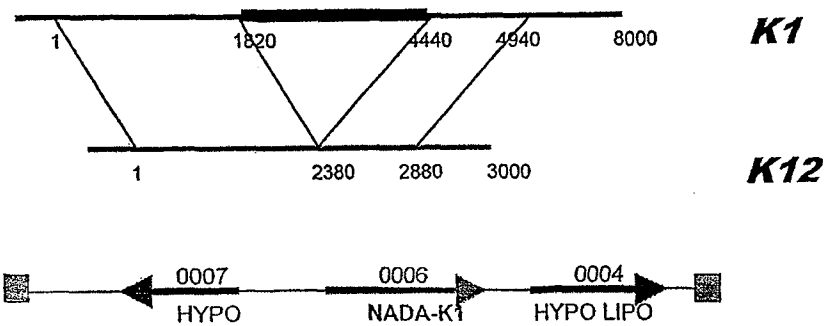
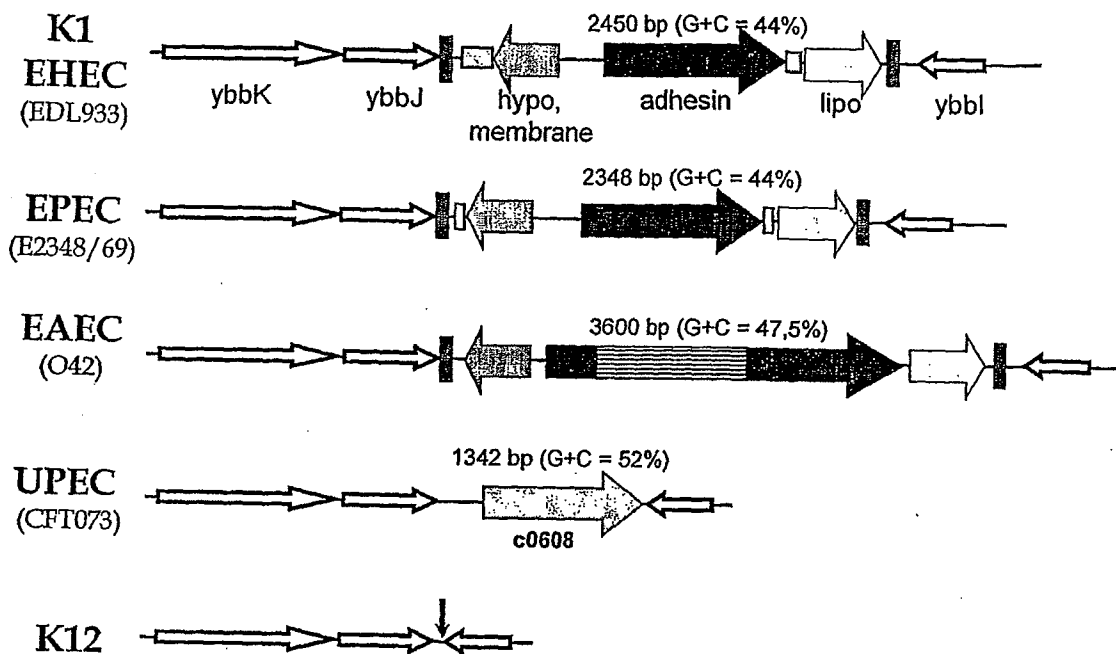
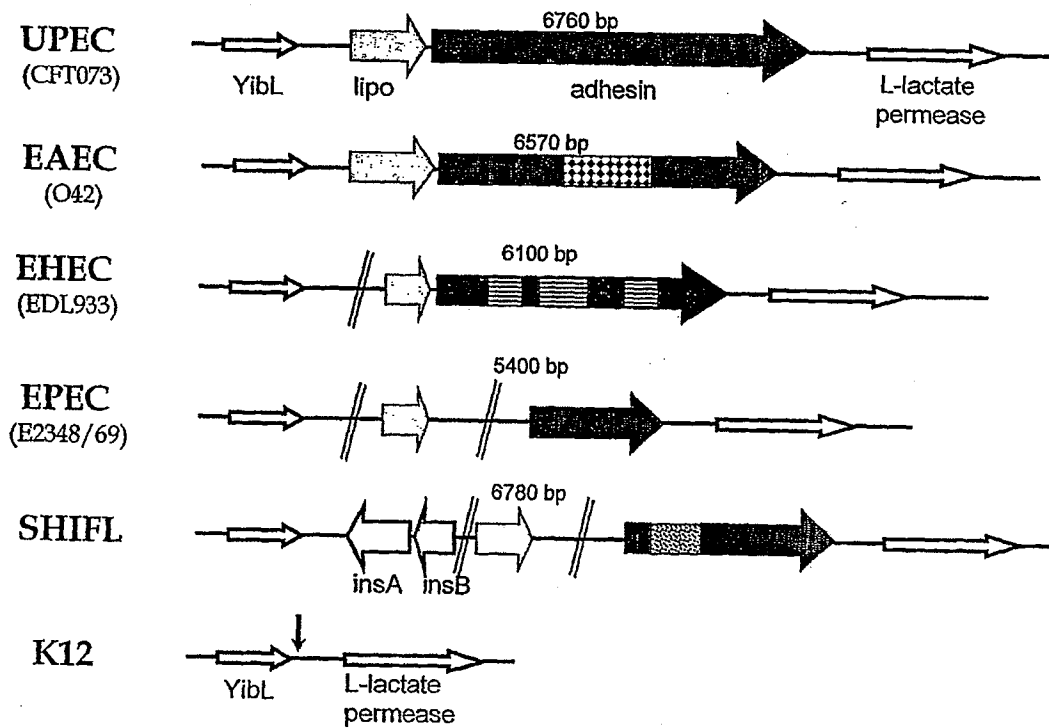


FIGURE 20



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FIGURE 18**FIGURE 19**

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FIGURE 21

FIGURE 21A

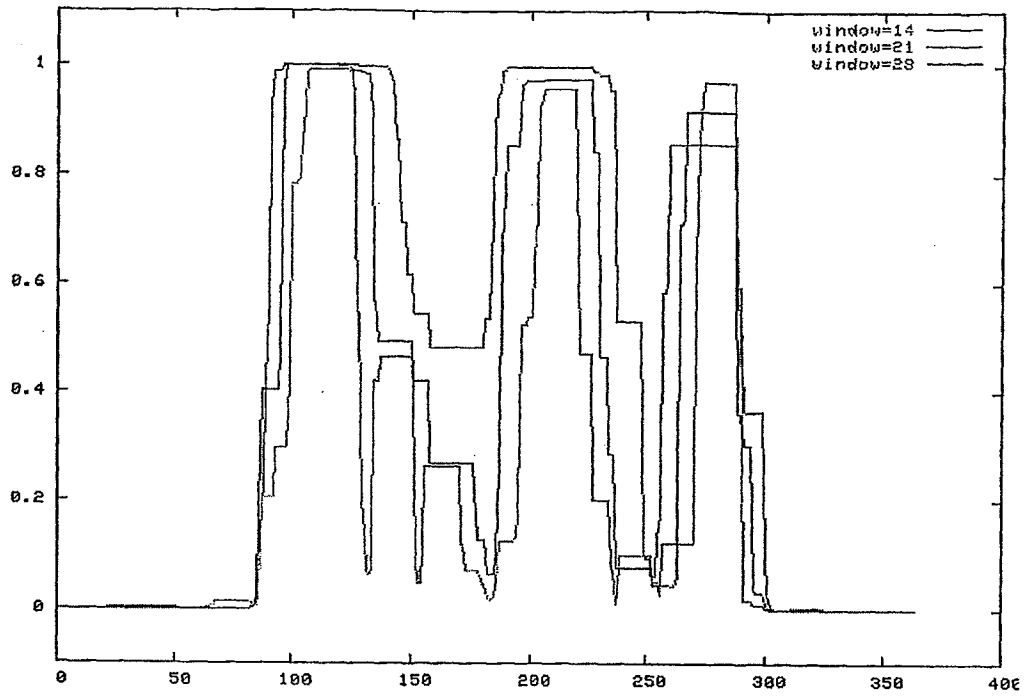
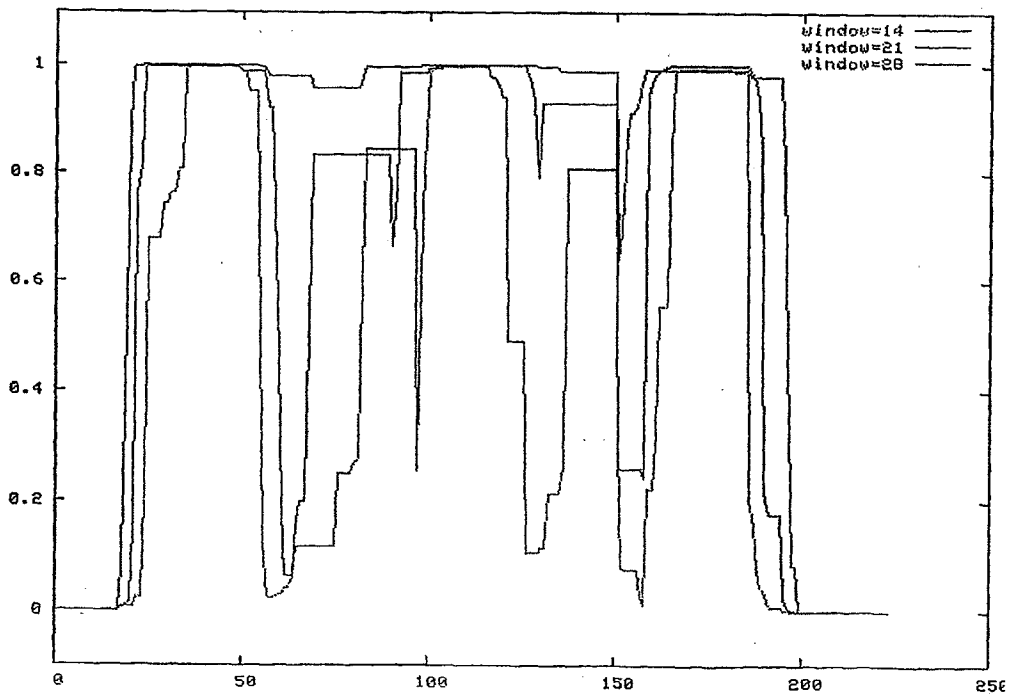
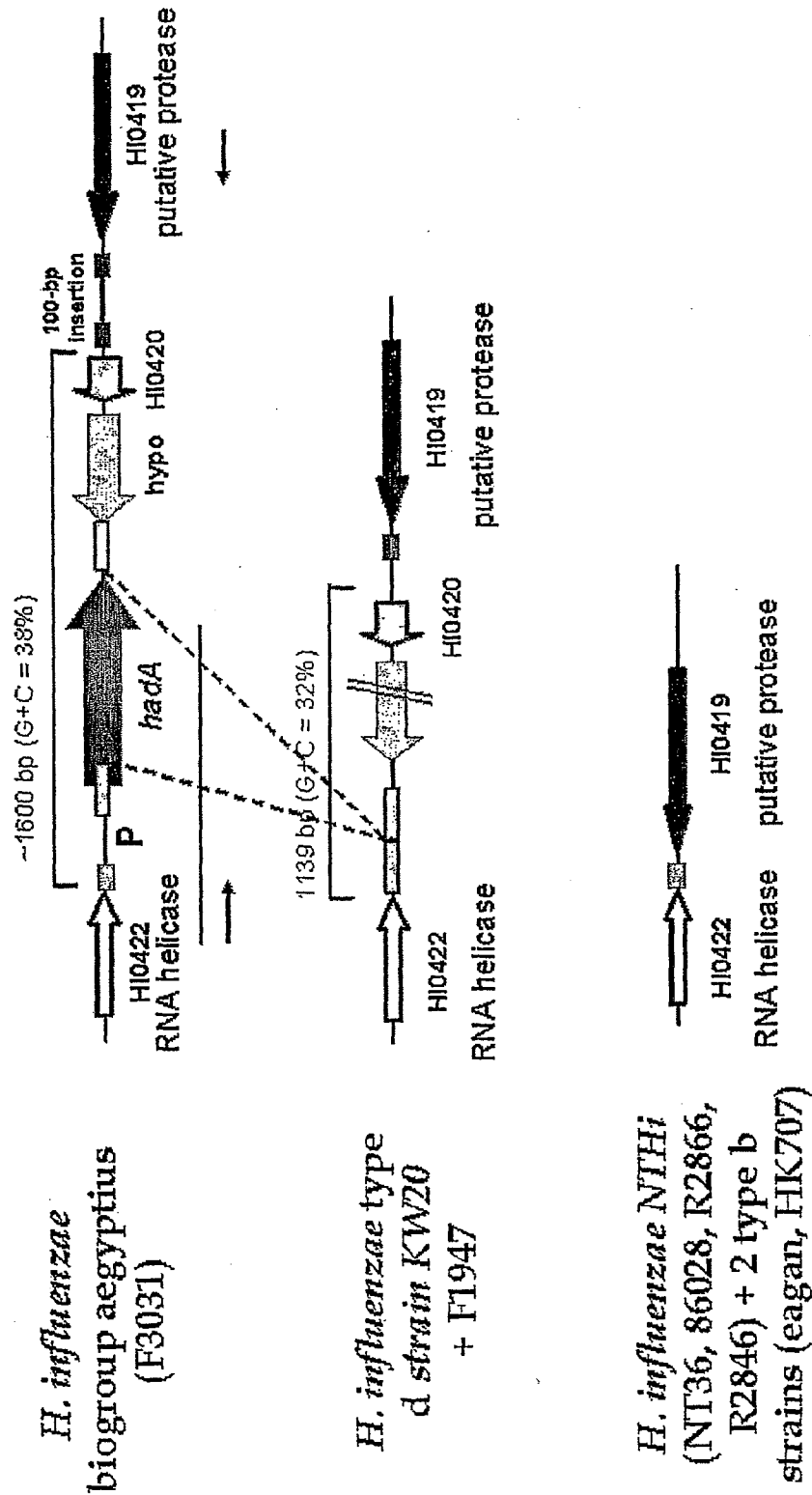


FIGURE 21B



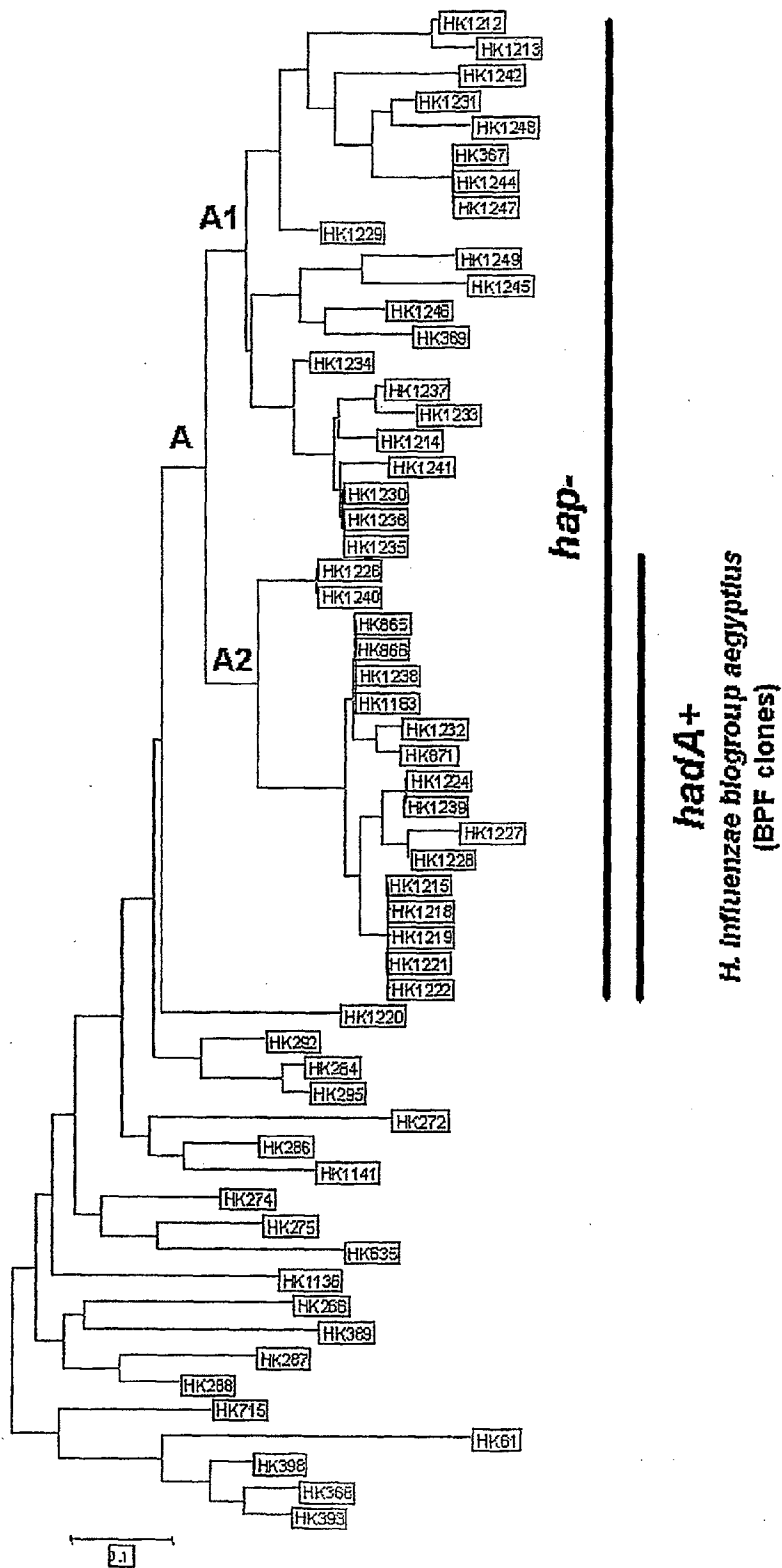
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FIGURE 22



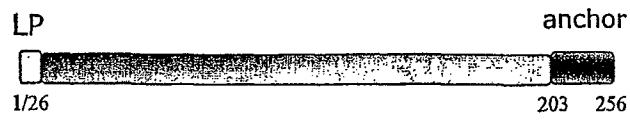
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FIGURE 23

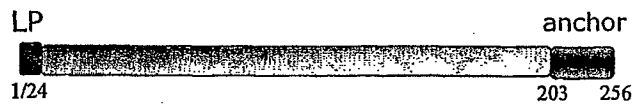


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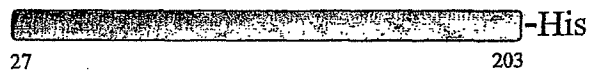
FIGURE 24



HadA na

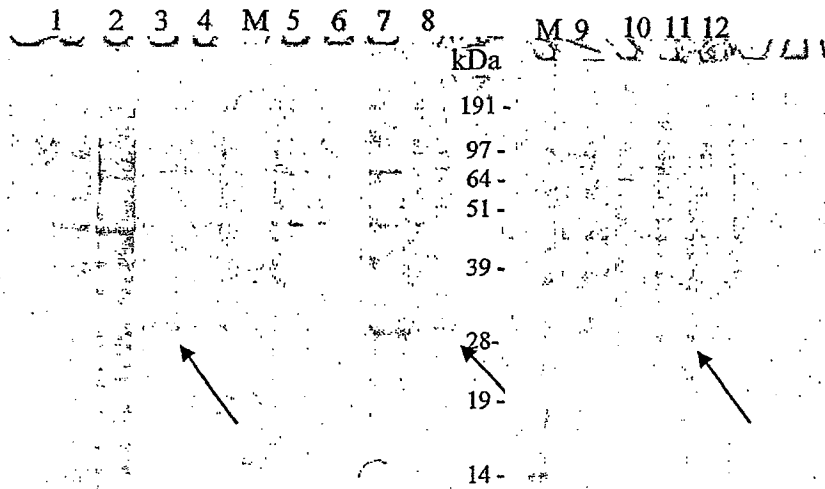


HadA LNadA na



HadA-His

FIGURE 25



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FIGURE 26

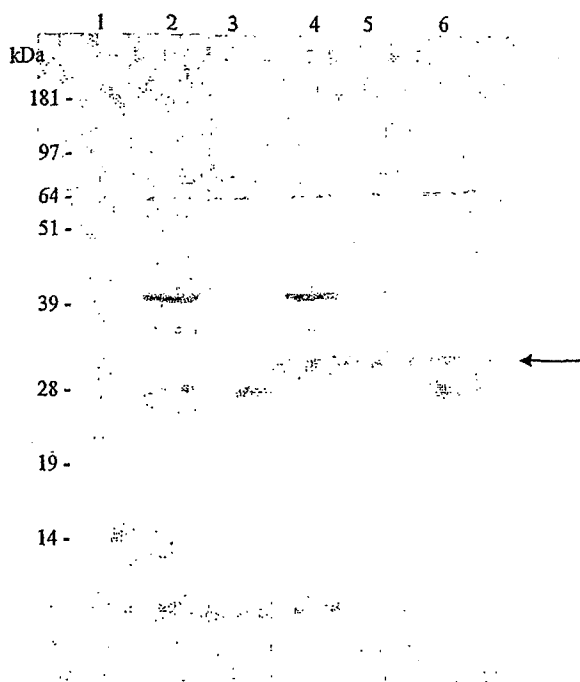


FIGURE 29

FIGURE 29A

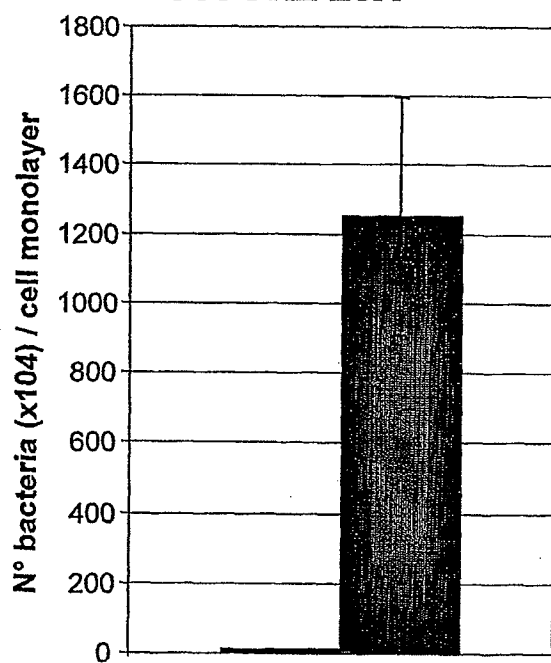
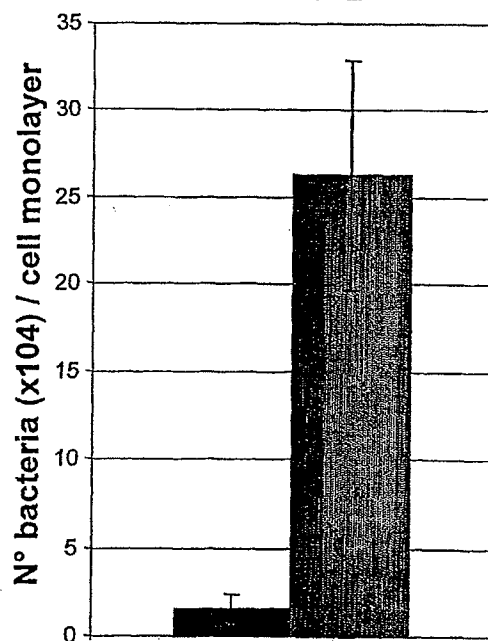
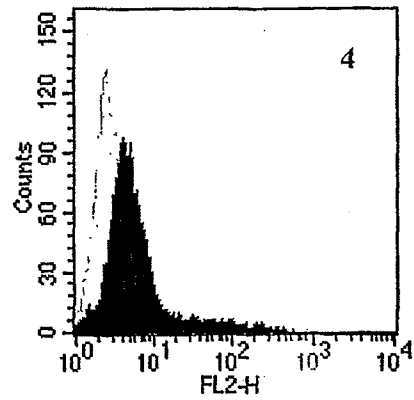
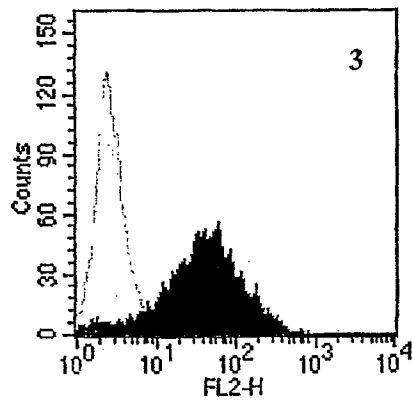
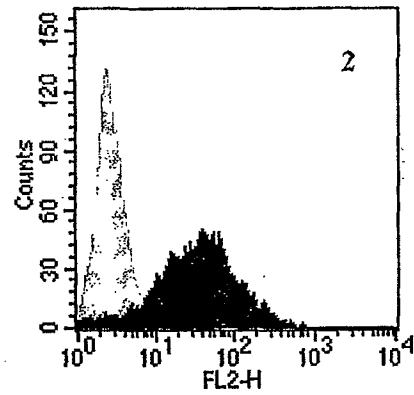
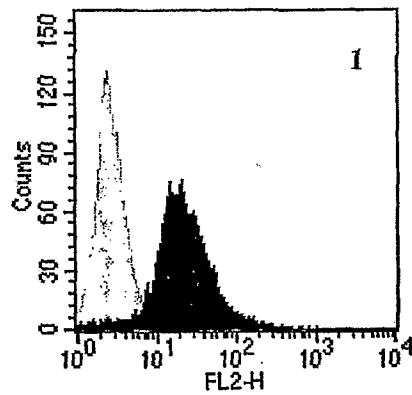
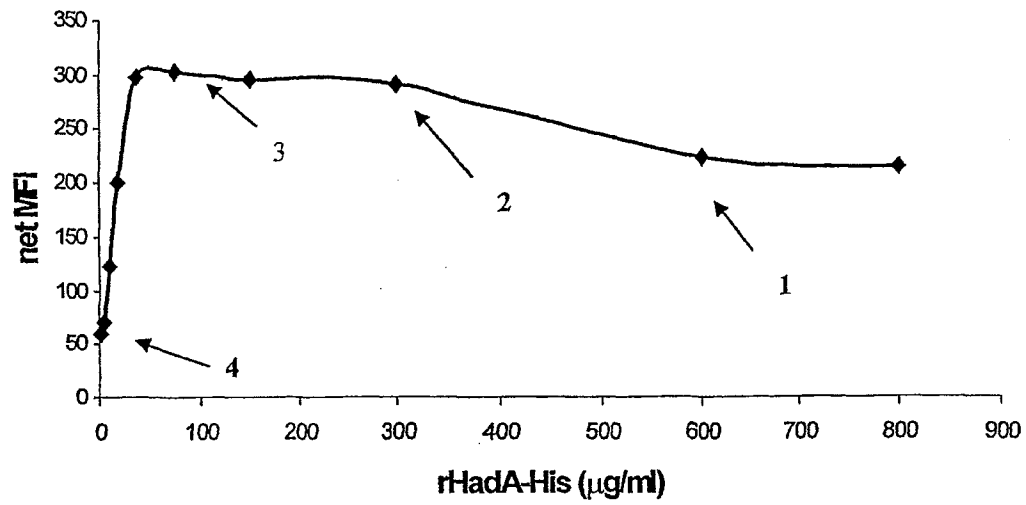


FIGURE 29B



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FIGURE 27

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FIGURE 28

FIGURE 28A

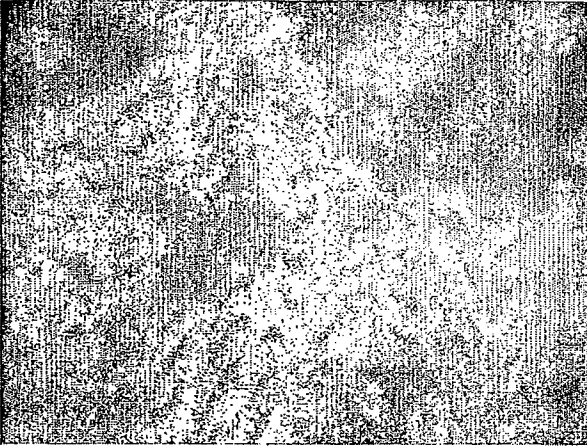


FIGURE 28B



FIGURE 28C

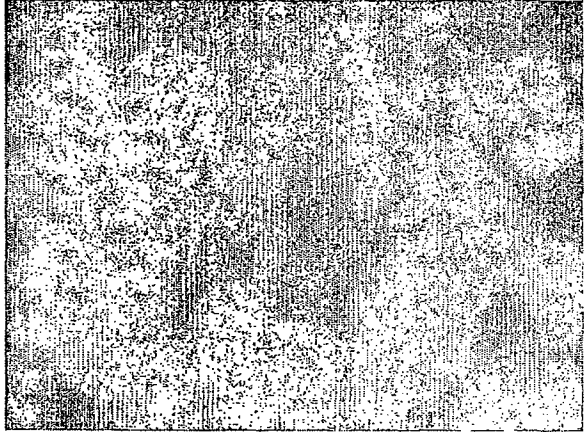


FIGURE 28D

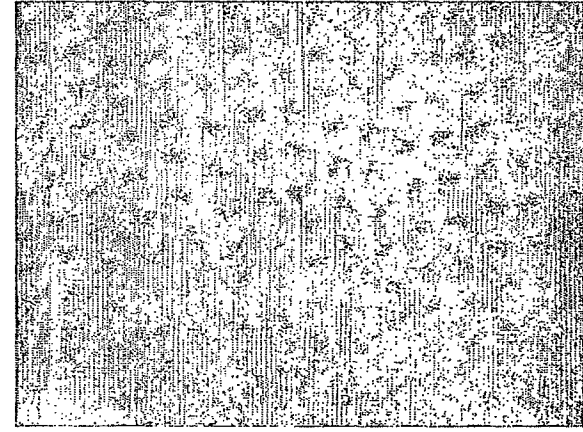
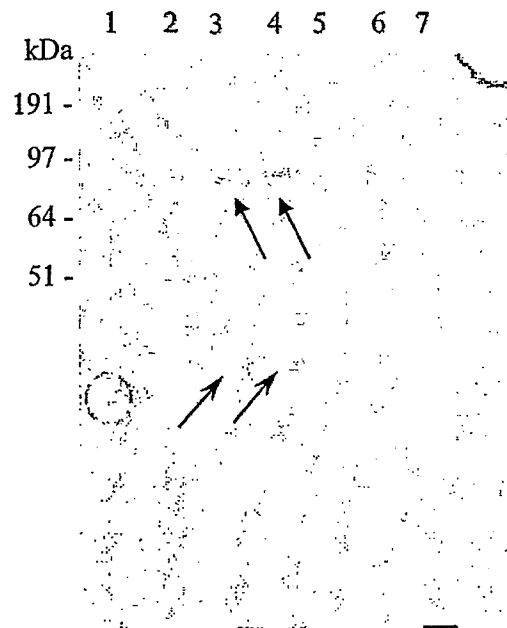
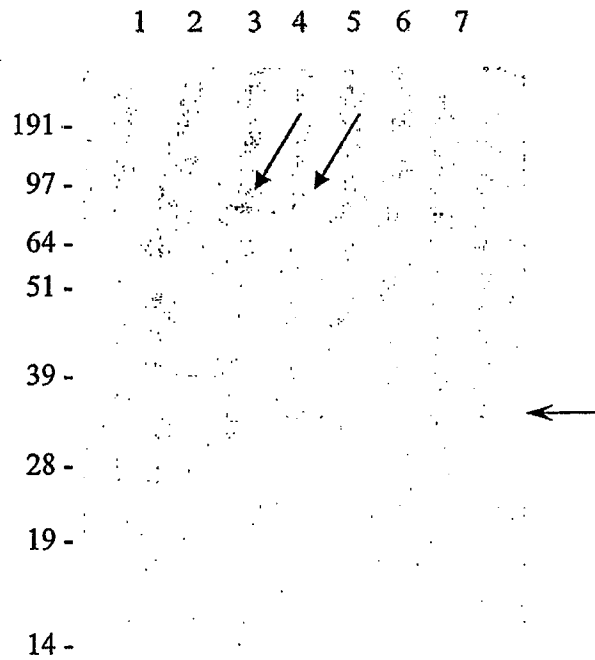


FIGURE 30



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FIGURE 31**FIGURE 32**

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FIGURE 33

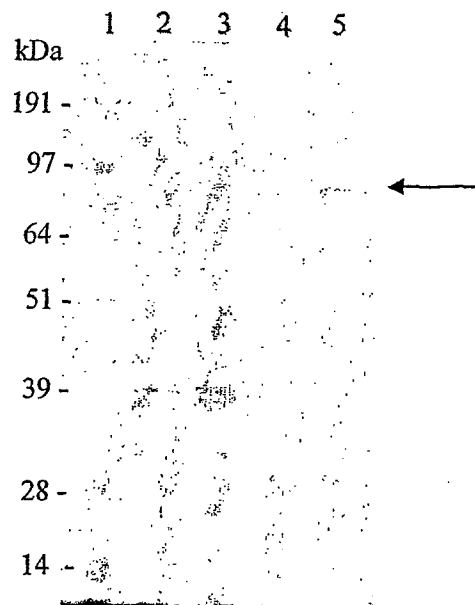


FIGURE 34

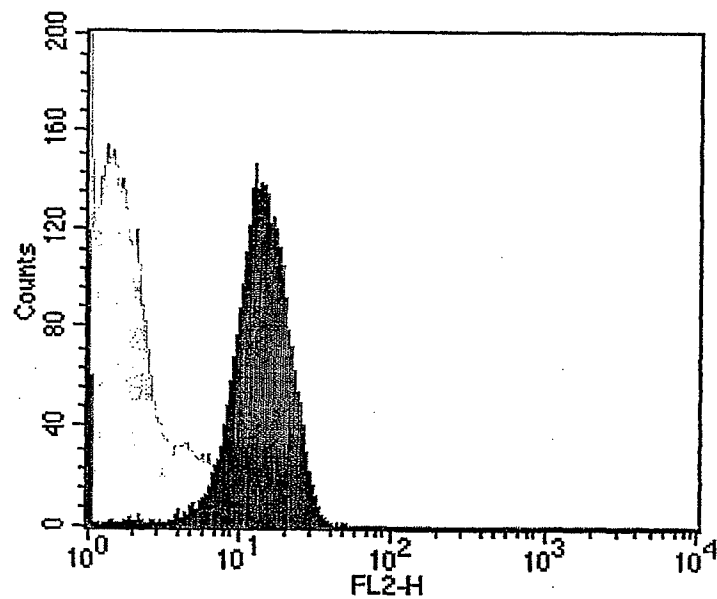
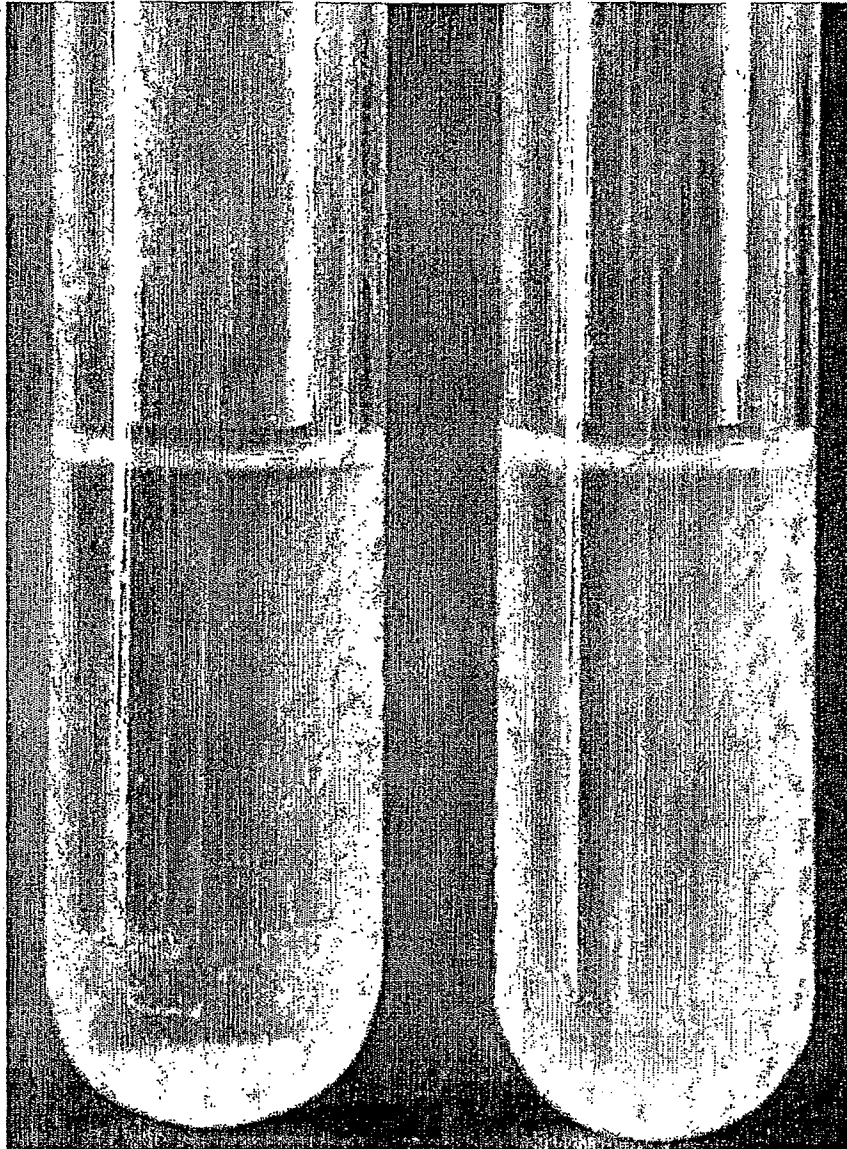


FIGURE 35



HadA⁺

HadA⁻